Rough Country 10106 Installation Instructions

12-Volt 1.03 CFM Air Compressor Kit with Wireless Controller

Part number: 10106

trailfortress.com/12-volt-1-03-cfm-air-compressor-kit-rough-country-10106

Scan for fitment, price and install help

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ROUGH COUNTRY
SUSPENSION SYSTEMS

Rough Country Wireless Bluetooth Air Bag Controller w/ Compressor

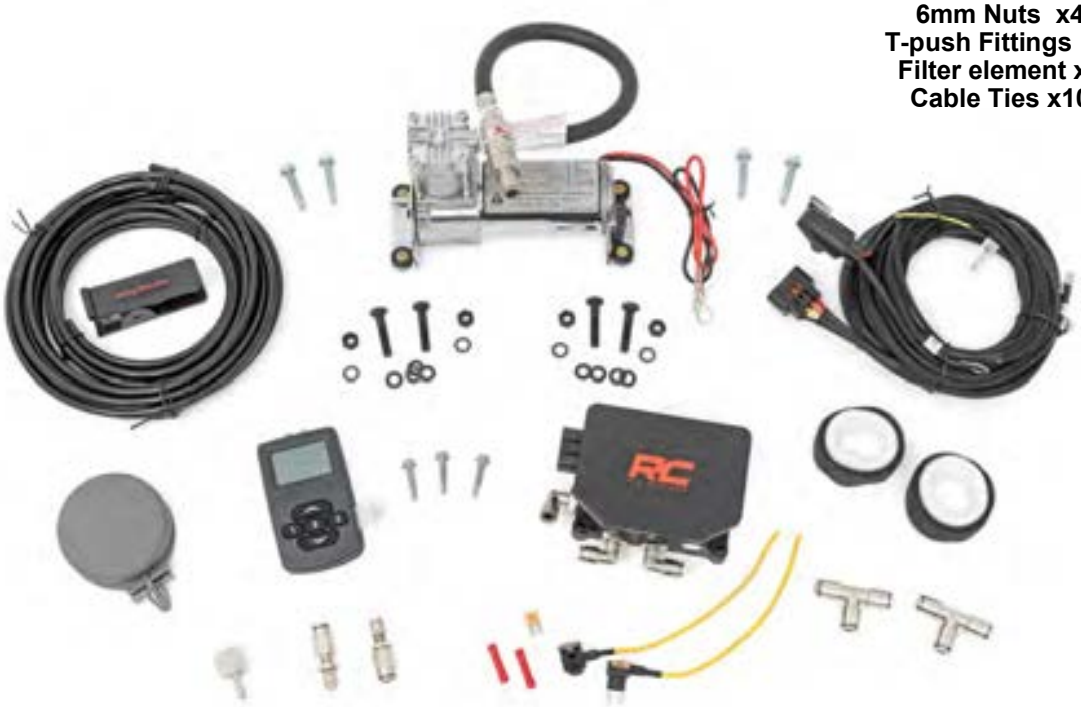
Thank you for choosing Rough Country for all your vehicle needs.

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.
If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product.
Check all fasteners for proper torque. Check to ensure for adequate clearance between all components.
Periodically check all hardware for tightness.

KIT CONTENTS:
Control Module x1
Wireless Remote X1
Controller Harness x1
Rough Country Compressor x1
Air Line -20ft

TOOLS NEEDED:
Air Line Cutter (Included)
5/16" Socket
Rachet
Wire Crimp Tool

HARDWARE INCLUDED:
Control Box Mounting Screws X3
Mini Fused Wire Tap x1
Micro Fused Wire Tap x1
Butt Connectors X2
6mm Hex Head Bolts x4
6mm Lock Washer x4
6mm Flat Washers x4
6mm Nuts x4
T-push Fittings x4
Filter element x2
Cable Ties x10



Torque Specs:

Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16"	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8"	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16"	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2"	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16"	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8"	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4"	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs

COMPRESSOR AND COMPRESSOR CONTROLLER INSTALLATION INSTRUCTIONS

Refer to the diagram on next page for detailed diagram of wiring and air line installation

1. Check to make sure all components are included.
2. Identify a safe location to install the compressor and compressor controller that is away from high heat sources and hazards. Also identify any wires or lines that are in that area. Take care not to damage those wires or lines. The controller can be installed either underneath or in the interior of the vehicle. Normally the controller is installed underneath the vehicle in close proximity to the compressor.
3. After a safe location has been identified, place the controller in that location with the exhaust port flat or downward to ensure moisture does not enter the controller.
4. Install the self tapping screws using a 5/16 socket to secure the controller to the mounting location.
5. Route the compressor air line to the controller taking care not to damage the air line. If needed and using the supplied cutter in the kit, trim the brake lines to allow for installation.
6. Route the air bag lines to the two ports on the controller. One will be for the driver side and one for the passenger side. Cut air lines with the supplied cutter as needed to complete installation.
7. Connect the harness to the controller and ensure the harness is locked into place.
8. Using the diagram on the next page, wire the controller to the positive wire, ground, 12 volt switched and to the compressor trigger wire. Make sure all connections are secure and protected. Fuse taps are included for use with the 12 volt switched wire to help with this installation.
9. Power on the controller by turning on the vehicle and refer to the Hand held controller instructions in this manual to operate the wireless controller and download the app for the platform needed. IOS and Android QR code is supplied in this instruction sheet.

Important Note*:*

The installation of this kit does not alter the Gross Vehicle Weight Rating (GVWR) or payload of the vehicle. Check your vehicle's owner's manual and do not exceed the maximum load listed for your vehicle.

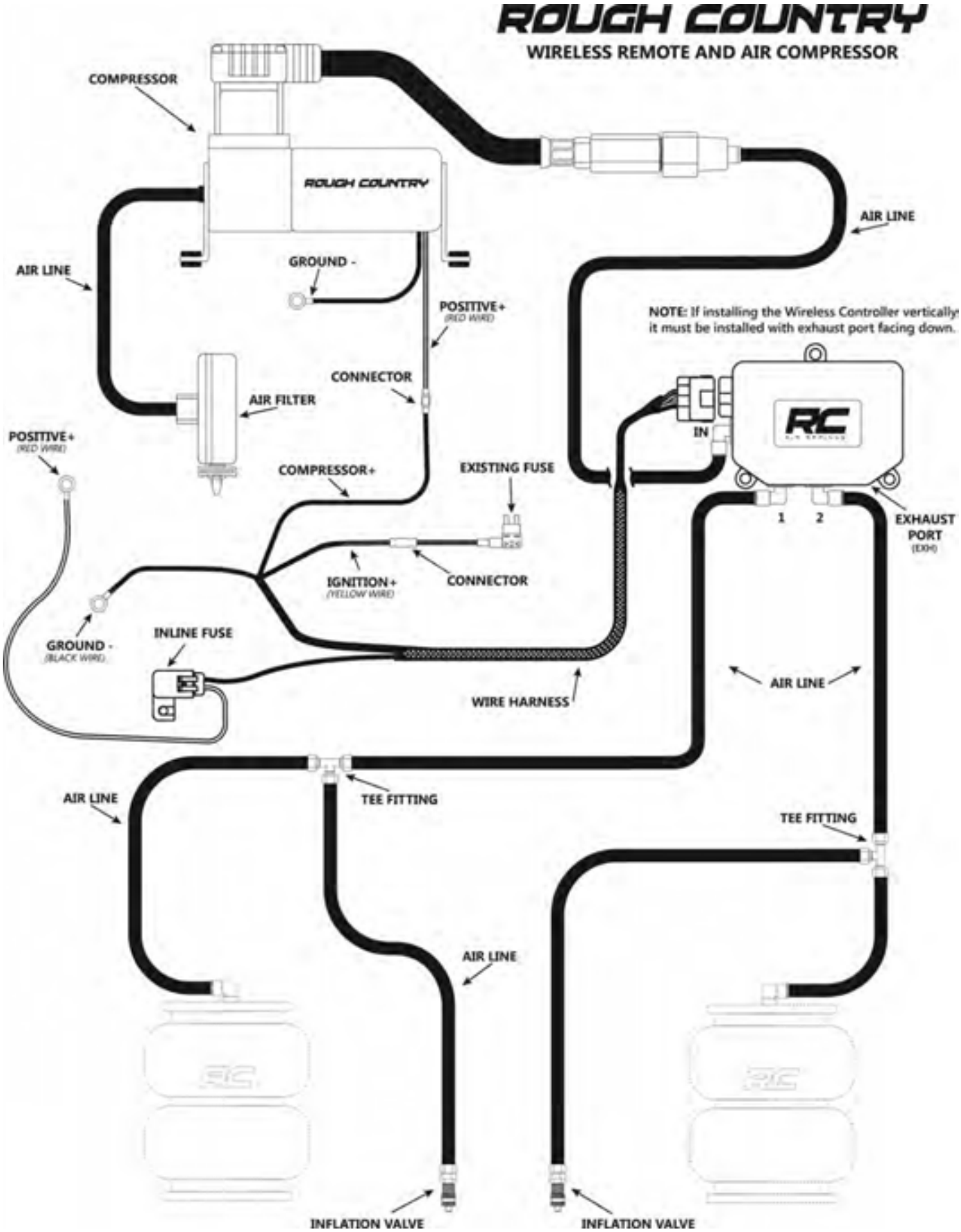
Gross Vehicle Weight Rating: The maximum allowable weight of the fully loaded vehicle (including passengers and cargo). This number - along with other weight limits, as wellas tire, rim size and inflation pressure data - is shown on the vehicle's Safety ComplianceCertification Label.

Payload: The combined, maximum allowable weight of cargo and passengers that the truck is designed to carry. Payload is GVWR minus the Base Curb Weight.

PSI range is 5-125 psi with 125 being the max pressure. Inflating system to over 125PSI is not recommended and could result in damage to the kit. Minimum PSI using the RC Compressor kit is 5PSI and the kit will automatically ensure that the bags are kept at proper minimum PSI to ensure optimum air bag life. Use of the kit with no pressure or non recommended pressure could cause damage to the air bag units.

Wireless Controller Diagram

Note: The wireless controller will need to be orientated for install with the exhaust port on the side of the unit pointed down or flat. **DO NOT** install on vehicle with the port up as moisture will enter the controller and potentially cause harm to the internal assembly of the unit.



Wireless Controller User Instructions

After completing the installation of the compressor and the manifold, You can enter pairing mode through the wireless-controller
Once a device is paired. It will automatically connect if no other device is already connected.
The control pad will go into sleep mode after 40 seconds. At which time it will disconnect from the system



Press any button to wake up the wireless-controller. The display should show Connected. If not then please connect the controller using the Instructions below.



Holding down the S key for 2 seconds will enter the Settings interface



Press ^ and v key to move the cursor up and down and move to the “Search” option. Press the S key to select the option.



The Wireless- controller will automatically search for nearby devices and display the device name in the list. Press the S key to Confirm the device name



Press v key to move the cursor down. and move to the “Exit ” option, Press the S key to exit the setting interface

Wireless Controller User Instructions



Status Display	meaning
R	Function is normal, waiting for work order
	Unit is working, CH-1/CH-2 is inflating
	Unit is working, CH-1/CH-2 is deflating

Main Menu	Data	Default
First Preset	------	CH 1: 30 CH 2:30
Second Preset	------	CH 1: 50 CH 2:50
Units	PSI/Bar	-----
Mode	Single/Dual	
Language	English	English
Search	------	------
About	------	------
Exit	------	------

Wireless Controller Operating Instructions



Confirm CH-1/CH-2 on the screen to confirm whether the current status is Channel 1 or Channel 2. The status shown in the figure is Channel 1 in the status shown in the figure.

Press the key to increase Channel 1 pressure . Press the key to decrease Channel 1 pressure.



Press the S key to switch from Channel 1 to Channel 2 as shown in the figure.

Confirm CH-1/CH-2 on the screen to confirm whether the current status is Channel 1 or Channel 2. The status shown in the figure is Channel 2 in the status shown in the figure.

Press the key to increase Channel 2 pressure . Press the key to decrease Channel 2 pressure.

Controller Settings



Holding down the S key for 2S , Enter the setting interface. In the setting interface, Press ^ and v key to move the cursor up and down. Press the S key to select the option.



On the First Preset interface, Press ^ and v key to change the Preset PSI, and Press 1 and 2 key to change the CH1/CH2.



Press v key to move the cursor down. and move to the “8 Exit ” option, Press S the key to exit the setting interface.

Battery Replacement Instructions



Remove the two screws on the back of the wireless-controller with a Phillips screwdriver to access the batteries



Install qty 2 of the CR2032 batteries as shown. Pay attention to the positive and negative terminals of the battery.





Re-install the back cover to the wireless-controller and tighten the screws with screwdriver. Do not over tighten the screws.

App Download

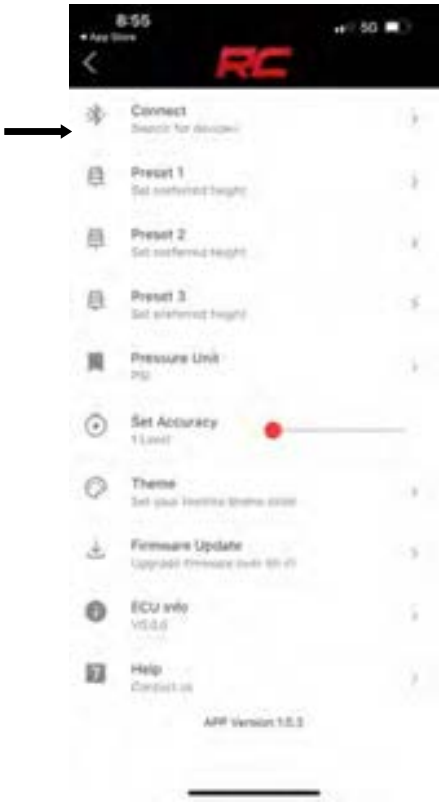
- Download RC Connect App for IOS and Android devices

Download QR Code

Connecting to the App

- **Download and access the RC Connect App.**
- **Open the RC Connect App**
- **Access the setting menu and Select connect**
- **Connect with the RC Bluetooth Controller and close the menu**
- **You can now control the unit with a mobile device**





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